

ASD98b

14 Jul 99

Pin No	Pad No	Name	Function
56	1	Vs	Threshold resistor control: Hi=long time constant, Lo=short tc
57	2	Ib	Preamp offset current
58	3	Ia	Preamp offset current
59	4	PS2	Shaper substrate guard ring
60	5	NW2	Shaper nwell bias
61	6	Gnd2	Shaper Gnd
62	7	Vdd2	Shaper Vdd
1	8	Gnd1	Preamp Gnd
2	9	Vdd1	Preamp Vdd
3	10	PS1	Preamp substrate guard ring
4	11	NW1	Preamp nwell bias
5	12	ina0	Preamp input
6	13	inb0	Preamp input
8	14	ina1	Preamp input
9	15	inb1	Preamp input
11	16	ina2	Preamp input
12	17	inb2	Preamp input
14	18	ina3	Preamp input
15	19	inb3	Preamp input
16	20	Vdd1	Preamp Vdd
18	21	Gnd1	Preamp Gnd
19	22	Vdx	Bias supply for bypass caps
20	23	Vgx	Bias ground for bypass caps
21	24	Vb1	Bias voltage
22	25	Vb2	Bias voltage
23	26	Vb3	Bias voltage
24	27	Vb4	Bias voltage
25	28	Ihyst	Discriminator hysteresis bias current
26	29	NW3	Discriminator nwell
27	30	PS3	Discriminator substrate guard ring
28	31	Vdd3	Discriminator Vdd
29	32	Gnd3	Discriminator Gnd

30	33	Vdd4	LVDS Vdd
34	34	Gnd4	LVDS Gnd
35	35	outb3	Disc output (LVDS)
36	36	outa3	Disc output (LVDS)
37	37	outb2	Disc output (LVDS)
38	38	outa2	Disc output (LVDS)
39	39	outb1	Disc output (LVDS)
40	40	outa1	Disc output (LVDS)
41	41	outb0	Disc output (LVDS)
42	42	outa0	Disc output (LVDS)
44	43	analogb	Analog output
45	44	analoga	Analog output
46	45	Gnd5	Analog pad driver Gnd
47	46	Vdd5	Analog pad driver Vdd
50	47	PS5	Analog pad driver guard ring
51	48	NW5	Analog pad driver nwell
52	49	PS4	LVDS substrate guard ring
53	50	NW4	LVDS nwell
54	51	Vth2	Discriminator threshold 2
55	52	Vth1	Discriminator threshold 1